

Textile Engineering Society Notes

Mill Insurance and Sprinkler
Equipment.

Interesting Lecture by Mr. Fiske
of the Grinnell Sprinkler Co.

Mr. Fiske's talk on mill insurance and sprinkler equipment was not only informing but was very interesting. He brought out the fact that in textile mills especially the fire hazard is very great. Even if a mill is fully insured the insurance will never cover the loss. Besides this loss by fire, there is the loss of trade due to an enforced shutting-down for varying periods of time. The introduction of the sprinkler system, especially in the last few years, has changed the fire hazard in textile mills from the most unsafe to the safest. This has caused the insurance rates to fall, so that they are now practically the lowest. At the conclusion of Mr. Fiske's talk lantern slides were shown which illustrated the Grinnell Sprinkler System very thoroughly.

One sprinkler will cover from 80 to 100 sq. ft. The sprinkler head is set for one of four temperatures, 160° F. and three higher. The fusible solder is made from bismuth, cadmium, tin, and lead.

Hot water at 160° will set the sprinkler head off. There are two systems—the dry and the wet. The wet system is the more common. Water is kept in the pipes in this system all the time. The dry system is used in the colder climates or in buildings where there is danger of freezing. The pipes are filled with compressed air which holds the water back. When the sprinkler head goes off, the air rushes out and allows the water to flow. This takes about one-half minute. The pipes are filled with compressed air usually once a week. The pressure very seldom falls much in a week. It is kept at 25-35 lb. pressure. About 25 gallons of water is obtained from each sprinkler.

The sprinkler system should be complete. No part or section of the building should be without a sprinkler. There should be no obstruction near the sprinklers. If there are, extra sprinklers must be installed. A fireproof building with a sprinkler system is eight times as safe as a fireproof building without one.

Many questions were asked about the system and its working. When this was finished, the audience and lecturer adjourned to the engineering laboratory, where a demonstration of the sprinkler system was given. A special glass exhibit had been set up. In this was a sprinkler, which was attached to a water pipe. Cotton waste, which was saturated with alcohol, was placed in the cabinet and ignited. The heat from this caused the sprinkler to go off almost immediately.

On Jan. 11, Mr. Ralph Forsyth, of the Appleton Mill Co. gave an interesting talk on the subject "Open Set Layout For Cotton Colored Goods." Before the Engineering Society. Mr. Forsyth was graduated from L. T. S. in '15.

The following lectures will be given under the auspices of the Society during this month.

Feb. 16, Renewed Fibers. I. Walter Ellis
Feb. 24, S.F.M. on the Mixing Industry.
Feb. 28, S.K.F. Ball Bearings.



Tex

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RESERVATIONS CANNOT BE GUARANTEED
AFTER TOMORROW.

Textile Night at Y Norwich Defeats Textile 19 - 14

Textile night at the Y was a huge success and was enjoyed by a large number of students and instructors. A good program of events kept the fellows busy through the whole evening.

First, there was the S-phure (Juni) basketball game, and it was some game. The Sports were right there with the team work and won the game by a score. The tactics used looked a lot like football, but everybody said it was supposed to be a basketball game, so it must have been. Some of the tactics were clean and pretty, and there men should be out for football next fall.

The bowling alleys and pool tables were open to all and they were well patronized.

The instructors bowled a match against the undergraduates, and as the instructors never lose to the student body the scores were pretty up. Anyway, there was some burnt snappy bowling, and as instructors are always keen at figures what's the use of keeping a score. The Engineers also beat the Chemists.

The track was the scene of some exciting swimming races and also some good exhibition diving and plunging.

The cats were served just in time to save a lot of starving ones, and were fine. In all the entire evening was a success, and the committee in charge should be congratulated on the manner in which they handled the affair.

Handicapped by an unusually large floor and the injury resulting from an accident to "Ken" Smith, Lowell Textile were down to defeat at the hands of the last Norwich quintet.

In the first minute of play "Ken" Smith after shooting a basket tripped over a boundary rope and crashed into the wall, dislocating his shoulder. After having received medical attendance Ken gamely returned to the fray and played his usual fast game, also suffering latense pain from the injured shoulder.

The game was fast throughout, the Norwich aggregation displaying an unbeatable passing combination.

Ken Smith and Matthews played their usual fast game, clashing up eleven and three points respectively.

August and Pencheon excelled for Norwich. "Ed" Smith, a brother of Ken, put up a good game at centre.

Linetup:

Lowell

K. Smith, H.

Matthews, H.

F. Smith, H.

Lowell, H.

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St. Michael's College vs. Textile

With Ken Smith missing from the lineup Lowell Textile went down in defeat at St. Michael's College. The Green Mountain boys used the five man defense to advantage at all stages of the game. Matthews and Schneider played well for Lowell Textile, while Delaney and Jay Garvin starred for the winners.

Linnetup:

Lowell Textile

Marshall, H.

Schneider, H.

Farwell, H.

Matthews, H.

Lowland, H.

Hart, H.

St. Michael's

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Textile Defeats Boston College

Home Team Wins Fastest Game of Basketball ever
Seen on Local Floor.

Before the biggest crowd of the season the Textile quintet defeated Boston College by a score of 33 to 24. Snatching under the sting of last year's defeat at the hands of the Boston boys, the team displayed the fastest, cleverest brand of basketball possible and delivered a mighty good beating for revenge.

The game was a world beater from start to finish. Textile scored two baskets in the first two minutes of play, then B. C. put in about six baskets in quick succession by some good passing. But after this Textile started to climb and at the end of the half was anybody's game with the score 19 to 18 in our favor.

The second half was at first even faster than the first period. Both teams were stepping it top notch speed. Textile, however, slowly gained the points and put the game away by getting a good margin and kept right at it until the final whistle, when the score was 33 to 24 in our favor. By the end of the period the B. C. men, who had set the pace at first, found they were outclassed and were plainly in a lull.

Notable features of the game were the fine team work and passing of the local team, and the exceptional individual playing of Ray Farwell, our big man at centre, played his best game of the year and was in it every minute of the play. His fine playing was one of the greatest helps in our victory.

Marshall, playing for the first time at guard, turned in a fine game of himself, and it seems that he was a permanent position on the team.

Captain Lowland played his usual slashing game at guard, and it was he who broke up most of the B. C. pass work which would have probably proved fatal.

Our two regular point getters, Smith and Matthews, divided honors with six baskets each, but some of these were the kind that brought a round of applause from the stands.

On the whole it was a great game, played by a great team, and we wish them all kinds of luck for the rest of the season.

After the game one of the largest dances of the year was held, and it was voted an entire success by all those present.

NOTICE

The group picture for the 1922 Pickout will be taken on Wednesday, Feb. 15. These groups will include the four classes, the T. C. A., The Text, Pickout Board, and Foreign Students. The time for each picture will be posted on the various boards.

Cacklings from the "Coop"

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A new line of school stationery—Quincy Adams Linen,
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Opp.	BASKETBALL SCHEDULE, 1922	Tex.
21	Jan. 7, Sat.—Fitchburg Normal	22
19	Jan. 13, Fri.—Providence College	51
19	Jan. 17, Tues.—N. H. State College—Durham	28
30	Jan. 21, Sat.—Northeastern College	31
21	Jan. 28, Sat.—New Bedford Tex.	42
24	Feb. 3, Fri.—Boston College	33
19	Feb. 9, Thurs.—Norwich University—Northfield	14
37	Feb. 10, Fri.—University of Ut.—Burlington	12
32	Feb. 11, Sat.—St. Michael's—Winoski	20
	Feb. 14, Tues.—Boston College	
	Feb. 17, Fri.—University of Vermont	
	Feb. 24, Fri.—Fall River Textile	
	Feb. 22, Tues.—Rhode Island State—Kingston	
	Mar. 4, Sat.—Open	
	Mar. 11, Sat.—Norwich University	

The Text

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NOTICE

All material handed in to this paper must be written upon one side of the paper only.

EDITORIAL

Mid-years are over, and the second term has now commenced. Start the new term with a determination to go in and win. If you are not satisfied with your record for the first term, waste no time in idle regret, for past failures, but start again with a renewed determination to do your level best. When a man gives the best that is in him to an undertaking, be it a school life or in business life, success is almost certain to follow.

The first few weeks of this term are quite likely to be very busy ones for the majority of the student body. In addition to the basketball games and the Textile Show, we have the picking of the freshmen by the various fraternities. And to offer a word of advice to the freshmen upon this latter subject, do not let this picking interfere with your school work. It has always been noticeable that for the first two or three weeks immediately following pledging, the freshmen who are being initiated tend to let their school work slide. The man who drives the greatest degree of satisfaction from his four years in college is the one who thinks of his studies and then of the various other phases of school life.

JUST DON'T

Do you feel you'd like to quit? Don't! Get to feeling you don't? Don't! Do you want to yell "all-in"? Cause your win's a little thin And you think you'll never win? Don't!

There's a kide you want to make? Don't! There's a head you want to break? Don't! Do you feel you want to whine? Like a genuine canine And send blue streaks down the line? Well Don't!

When you see a chance to dick Don't! Keep right on without a stop When you want to chuck your luck Don't! And you'll never show up on top. If, just when you want to flop, You Don't!

—C. L. Armstrong

Fraternity Notes

Delta Kappa Phi Fraternity has recently pledged Mr. Harry C. Brown, an instructor in the Engineering Department and also Mr. Fox, who is connected with the Cloth Analysis and Design Department.

roadway lighted. Part of the Lincoln Highway will be lighted by this system. The radio message sent by President Harding at the opening of the great central radio station on Long Island, was picked up in over seventeen foreign countries. The station is operated by the Radio Corporation of America. One of the largest circuit breakers in the world has recently been built by an American electrical concern. It is rated at 165,000 volts. According to Dr. C. P. Göttemitz, the energy dissipated when a circuit breaker of this size automatically opens on overload, is equal to the energy which would be consumed in a head-on collision between two 125-ton locomotives meeting at a speed of 45 miles an hour.

FATHER SUCCEEDED BY SON

Aram Milot Appointed General Manager of Paragon Worsted Mills at Providence.

Aram Milot, son of the late Arthur C. and Mrs. Milot, 441 South Main street, has succeeded his father as general manager of the Paragon Worsted Mills at Providence. The appointment was made by the board of directors early this week.

Mr. Milot, who received his early education in the public schools of this city, is a graduate of Otiswa University. He also attended the Lowell Textile Mills. And four years ago was made superintendent.

SCHOOL NOTES

Mr. Lupton of South Manchester, Conn., a favorite instructor of bygone days, paid a hurried visit to the school last Friday. Mr. Lupton is meeting with great success at the Cheney Bros. plant and from outward appearances enjoys his work immensely.

Everybody out for the Boston College game tonight. Show the team that you are with them every minute of play. Last call for material for the 1922 volume of the Pickers. If you have any write-ups please hand them in as soon as possible.

The Text Show promises to be even better than last year, and that's going some. Get your seats immediately and take no chances of getting left.

Picking Cotton by Electricity

A device consisting of a farm tractor equipped with an electric powerator, is being used successfully in the Northern cotton belt to pick cotton with electricity's aid. Hollow flexible tubes reach out in four directions from the tractor. On the end of each is a set of revolving brushes caused in a small metal frame, with an opening about the size of a man's double fist, and sufficiently large to take a ball of cotton. The brushes are driven by an electric motor through a flexible drive shaft and revolve inwardly, or toward each other. This creates a comb-like movement, which pulls the cotton from the plant the moment it comes in contact with the brushes. It is then sucked up the hollow tube and deposited in a receptacle carried on the tractor. Tests have indicated that the new electric cotton picker makes it possible for a person to gather from 400 to 700 pounds of cotton a day as compared with 20 to 150 by hand.

ELECTROGRAPHS

More than twenty vessels ranging in size from a small fire boat to big Atlantic freighters and warships, are now propelled by electricity in the United States. Spain has begun the electrification of her railways. The first contract for a stretch of forty miles was placed with an American company, the International General Electric Company. Extensive electrification of the Spanish roads which run through mountainous territory, is expected to follow.

A lighting system has been devised for highways which makes it possible for night automobile drivers to travel with headlights dimmed, so brilliancy is the

SCHOOL SUPPLIES

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THE ADVERTISERS SUPPORT THE TEXT

The Bear Hunt

Continued from Last Issue

"There," thought I. He has killed him."

But I saw that my comrade did not run towards the bear. Evidently he had guessed him, or the shot had not taken full effect.

"The bear will get away," I thought. "He will go back, but he won't come a second time towards me—But what is that?"

Something was coming towards me like a whirlwind, mooring as it came; and I saw the snow flying up quite near me. I glanced straight before me, and there was the bear, rushing along the track through the thicket right at me, evidently beside himself with fear. He was hardly half a dozen paces off, and I could see the whole of him—his black chest and enormous head with a reddish patch. There he was, blundering straight at me, and scattering the snow about as he came. I could see by his eyes that he did not see me, but, mad with fear, was rushing blindly along; and his pelt fell him straight at the tree under which I was standing. I raised my gun and fired. He was almost upon me now, and I saw that I had missed. My bullet had gone just him, and he did not even hear my fire, but still came bounding towards me. I lowered my gun, and fired again, almost touching his head. Crack! I had hit, but not killed him.

He raised his head, and laying his enormous chest at me, showing his teeth.

I crouched at my other gun, but almost before I had touched it, he had fallen at me and, knocking me over into the snow, had passed right over me.

"Thank goodness, he has left me," thought I.

I tried to rise, but something pressed me down, and prevented my getting up. The bear's head had carried him past me, but he had turned back, and had fallen on me with the whole weight of his body. I felt something heavy weighing me down, and something warm above my face, and I realized that he was drawing my whole face into his mouth. My nose was already in it, and smelt his blood. He was pressing my shoulders down with his paws so that I could not move: all I could do was to draw my head down towards my chest away from his mouth, trying to free my nose and eyes, while he tried to get his teeth into them. Then I felt that he had seized my forehead just under the hair with the teeth of his lower jaw, and the flesh below my eyes with his upper jaw, was closing his teeth. It was as if my face were being cut with knives. I struggled to get away, while he made haste to close his jaws like a dog gnawing. I managed to twist my face away, but he began drawing it again into his mouth.

"Now," thought I, "my end has come!" Then I felt the weight lifted, and looking up, I saw that he was no longer there. He had jumped off me and run away.

When my comrade and Danian had seen the bear knock me down and begin worrying me, they rushed to the rescue. My comrade, in his haste, blundered, and instead of following the trodden path, ran into the deep snow and fell down. While he was struggling out of the snow, the bear was gnawing at me. But Danian just as he was, without gun, and with only a stick in his hand, rushed along the path shouting:

"He's eating the master! He's eating the master!"

And as he ran, he called to the bear: "Oh, you idiot! What are you doing? Leave off! Leave off!"

The bear obeyed him, and leaving me ran away. When I rose, there was a much blood on the snow as if a sleep had been killed, and the flesh hung in rags above my eyes, though in my excitement I felt no pain.

My comrade had come up by this time, and the other people collected round; they looked at my wound, and put snow

on it. But I, forgetting about my wound, only asked:

"Where's the bear? Which way has he gone?"

Suddenly I heard:

"Here he is! Here he is!"

And we saw the bear again running at us. We seized our guns, but before any one had time to fire, he had run past. He had grown ferocious, and wanted to gnaw me again, but seeing so many people he took fright. We saw by his track that his head was bleeding, and he wanted to follow him up; but, as my wounds had become very painful, we went, instead, to the town to find a doctor.

The doctor stitched up my wounds with silk, and they soon began to heal.

A month later we went to hunt that bear again, but I did not have a chance of finishing him. He would not come out of the circle, but went round and round, gnawing in a terrible voice.

Danian killed him. The bear's lower jaw had been broken, and one of his teeth knocked out by my bullet.

He was a huge creature, and had splendid black fur.

I had him stuffed, and he now lies in my room. The wounds on my forehead healed up so that the scars can scarcely be seen.

—Crown Talbot.

Results Delivered by the Basketball Team

(continued from Page 1)

The New Bedford game proved to be tame, and an easy victory for the home team. New Bedford never had a chance although they were there with the spirit.

When the final whistle blew the score was 42 to 21 in Textile's favor. The boys were there every minute of the game, and it was evident that their defensive and passing game was improving. Leagues were run after each of these games and the receipts turned over to the Athletic Association to cover guarantees and other expenses of the basketball team.

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FROTH

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EMERSON'S ANSWER

Ichthy Bird was so unfortunate as to break the right shaft of his eye glasses recently. For further details see Bird himself.

FRESH NEWS FROM

Freshman: "Ever ride a donkey?"
"Blump" Hollins: "No! Why?"
Freshman: "Why don't you get onto yoursself?"

1st Shifter: What would you call it if two cars came together?

2nd Shifter: An accident.

1st Shifter: Good, now what if two ships came together?

2nd Shifter: A collision.

1st Shifter: Right, now what if three boys came together?

2nd Shifter: I dunno?

1st Shifter: Triplets.

If Brown doesn't cut out that forced laugh at some of the instructors' bomb jokes, one of these days he's going to bust open his lungs.

Delightful tableaux are being conducted every afternoon now in the creel room of the weaving dept. They are entitled "Medieval Methods" or "Beam- ing by Hand Power."

The Seniors in Wool and Seniors in Engineering are thrown together for a couple of lectures a week now. The co-efficient of friction is very high, the short comings of the Engineers being pardoned by that silver-tongued orator, Sullivan with Brown, Smith McGowan & Co. representing the interests of the engineers.

The Shifters and the Clams are gaining in speed throughout the school with the Shifters still in the lead. Mr. Hadrich was recently initiated into the Clams answering all questions in the affirmative. The Past Grand Master of the Shifters wished to state thru "Footh" that a fake order has recently sprung up called the High Shifters and that they should be discouraged by everyone; the sign used by them is the scratching of the left ear.

A BARN JOKE

The more a man's head gets to look like an egg the more susceptible he becomes to the influence of a chicken.

From the Ashland (N. H.) "Cepopod"

Thank Spaulding appeared in public yesterday for the first time since their bees tried to swarm in his whiskers.

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Eme barrel treatment, gait ten rounds in a few months, accepted by leading physicians with the exception of Dr. Nary. Lowell Clinic Dr. "Hair Trigger" Reishall. Patent app. for Jan. 30, 1922.

JACK FAREL: A Hairy Sport
"I've bet you a good dollar necktie."

When cigarettes grow on uncared trees.

When Schure's sands grow muddy.
When cats and dogs wear B. V. D's.
Then I'll begin to study.

A foolish freshman.
(He's not with us now.)

Love to Barn (smoking a cigarette)
Love: "I like your cigarette holder."
Barn: "Why I never use one."
Love: "Oh, don't be so thick."

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The character of your college training is no more important than the determination of the direction in which it must be used when completed.

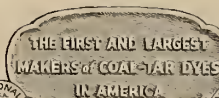
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The organic chemical industry, indispensable as it is, to practically all other industries, affords opportunities which are without limit, to technically trained minds.

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